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 FACIL:50-400 Shearon Harris Nuclear Power Plant, Unit 1, Carolina 05000400
 AUTH.NAME AUTHOR AFFILIATION
 ZIMMERMAN,S.R. Carolina Power & Light Co.
 RECIP.NAME. RECIPIENT AFFILIATION
 DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards table listing clearances between various bldgs & max displacements of two adjacent bldgs, in response to ACRS question re adequacy of bldg clearances during SSE.

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2. 2.

The following information was obtained from the records of the
 Federal Bureau of Investigation, Washington, D. C., and the
 Bureau of the Census, Washington, D. C., and is being furnished
 to you for your information.

1. The purpose of this study is to determine the effect of the use of the computer on the learning of the English language.

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Carolina Power & Light Company

JUL 19 1985

SERIAL: NLS-85-241

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NO. 1 - DOCKET NO. 50-400
ADEQUACY OF CLEARANCES BETWEEN BUILDINGS

Dear Mr. Denton:

Carolina Power & Light Company hereby submits information demonstrating the adequacy of clearances between adjacent buildings at the Shearon Harris Nuclear Power Plant. This information is submitted in response to an NRC Advisory Committee on Reactor Safeguards question concerning the adequacy of building clearances during a Safe Shutdown Earthquake (SSE). The attached table lists the clearances between various buildings and the maximum displacements of two adjacent buildings added together at the interface during a SSE. The comparison of numbers in this table demonstrates that adequate clearances exist between the adjacent buildings.

If you have any questions concerning this subject or require additional information, please contact me.

Yours very truly,

S. R. Zimmerman for

S. R. Zimmerman
Manager

Nuclear Licensing Section

JHE/ccc (1675GAS)

Attachment

cc: Mr. B. C. Buckley (NRC)
Mr. S. B. Kim (NRC-SGEB)
Mr. G. F. Maxwell (NRC-SHNPP)
Dr. J. Nelson Grace (NRC-RII)
Mr. Travis Payne (KUDZU)
Mr. Daniel F. Read (CHANGE/ELP)
Wake County Public Library

Mr. Wells Eddleman
Mr. John D. Runkle
Dr. Richard D. Wilson
Mr. G. O. Bright (ASLB)
Dr. J. H. Carpenter (ASLB)
Mr. J. L. Kelley (ASLB)

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PDR ADDCK 05000400
F PDR

411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

Boo!
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SECRET

ATTACHMENT

CLEARANCE BETWEEN ADJACENT BUILDINGS

<u>Building Interface</u>	<u>Clearance Inch</u>	<u>Maximum Displacement Inch</u>
RAB #1 - RAB #1&2	2	0.21
RAB #1 - Containment 1	2	0.37
RAB #1 - FHB	2	0.32
RAB #1 - Tank Building 1	2	0.18
RAB #1 - Waste Processing Building	2	0.23
RAB #1&2 - FHB	2	0.24
RAB #1&2 - Turbine Building 1	2	0.71
WPB - FHB	2	0.20
WPB - Tank Building 1	2	0.10
FHB - Containment 1	2	0.28
FHB - FHB Unloading Building	2	0.13
RAB #1 - Turbine Building 1 @ El. 286.0'	1	0.44
RAB #1&2 - Turbine Building 1 @ El. 286.0'	1	0.39
Tank Building 1 - Turbine Building @ El. 286.0'	1	0.36



10-10-10